Collection no. 183

K.H.L. Key & party
18.v. – 2.vi. 1973

Darwin area & western Arnhemland

39

Plant identifications by
Herbarium Australiense

18/5/73

Visit to Forest Reserve on Gunn Point, NE. of Darwin.

3285. Turned off Stuart Highway on Howard Springs road.

288.4. Turned right.

291.6. Crossed Howard River.

297.6. Gate into Forest Reserve.

313.0. Entrance to Gunn Point Prison Reserve.

314.4. Took track off to right.

318.2. Cleared from eucalypt forest
morabine sp. P124, Goniaea vocans, Zomaloidea
to ca. 50ft. Regrowth of Acacia sp.
sp. 3, Cuspilladia flavicarinata, Zantierrana
(phyllodineous) to 4ft, eucs & ironwood
medioscris, Genus nov. 63 sp. 1, morabine sp. P23.
to 2ft. Themeda australis & other
incl. Imperata, (Grewia sp., Wedelia sp.,
grasses, to 3ft, various herbs) to
Acanthus ilicifolius L., Knoxia stricta Gaertn.,
6–12 in (specs.), very low regrowth
Borreria breviflora (Benth.) Specht) Kibia
of Livistona & Cycas. Flat. Soil
straminea, Genus nov. 15 sp. 3
"Berrimah red earth". One herb seemed

to be the favoured host plant of Genus nov. 63. It had above-ground shoots to 6 in with rather rough Gardenia suffruticosa R.Br. leaves to ca. 4-5 in (spec.), growing in patches & connected by underground stems. Where the surface of the soil had been recently scraped almost clean by machines, this plant was putting up new shoots to 3 in, with more oval, crinkly, greener leaves, sometimes bearing a white, Vinca-like terminal flower. Several cases of Gen. nov. 63 on, or within 2 in of, these shoots, & one of a brief nibble at the leaves. Most of the insects caught were within a few feet of this plant. In tubes containing living insects with shoots of this plant there was abundant faeces & apparent signs of feeding.

19/5.

16624.6. Turned off to Mt. Bundey.
Xanterriaria pediocris, Heteropternis obscurella,
640.0. = 35491.2. Gastr. Acol.
Goniaecidea sp. 3, Locusta migratoria
Stenocat. august.

647.5. Flat flood plain of Adelaide R. Sedges
Caliphorops viridis, Austracris guttulosa,
& grasses to 1ft. with sparse forbs to
Althaetomorpha similis, Bermiella acuta.
same. Grass to 3 in along verge.
Tolgadia sp. 1, Stenocatantops vitripennis
Dark grey self-mulching soil.
Caliphotops viridis, Calidia captiva, Morabine sp. 123
648.1 = 35499.3. Spectriforma sp. on
fine annual grasses to 6 in.
Xanterriaria vediocris, Goniaea vocans,
663.8. = 35514.1. Tolgadia infirma, Genus nov. 15 sp. 3
674.6. Mary River.
678.5. Rounded shoulder of range.
678.9. Creek.
680.4. Flat with pale grey soil.
Goniaea angustipennis, Xypechtia sp. 1, Genus
Melaleuca sp. to 25 ft with patches
nov. 70 sp. 1,
of eucs, Terminalia, & other trees to
45ft. Grasses mainly to 4ft in
mainly monospecific patches: Sorghum,
Themeda australis, & at least two
other major species. Occ. patches

of fine grass to 1ft. Goniaea associated with eucs & Sorghum. Some regrowth of Melaleuca.

700.1. Nearly flat, ground covered with
Genus nov. 66 sp. 2, Xanteriaria mediocris;
lateritic gravel. E. dichromophloia;
Zebratula flavonigra, Goniaea vocans
another bloodwood & a box, to 40ft, with Terminalia & other small trees to 20ft. Sorghum & other grasses, abundant perennial & some annual forbs, some fine grass to 9in, some ground creepers, regrowth of ironwood to 3ft.

702.6. Lake on L

702.7. Creek crossing.
morabine sp. P158

722.3. = 355b4.2

731.9. Crossed ~~[illegible] Ck~~ S. Alligator R.

737.8. Flat plain with pale grey soil &
Xypechtia sp. 1, morabine spp. P94, P158
Melaleuca sp. open to 15ft, Themeda australis to 3ft & a low perennial tussock grass to 9in in patchwork; leading to stony rise with eucs & other small trees to 30ft, regrowth to

2ft & mixed grasses 6in. to 2ft. Large morabine on plain, Spectriforma on rise.

738.9. Crossed creek.

749.1. Road off to R to Pine Ck.

753.6 Jim Jim Ck.
Loxilobus sp. 2, Parattettix funeralis, P. histricus,
753.7. Camp on east side of creek.
morabine sp. P200(?), Pardillana limbata

20/5.

753.7. Depart Camp.

809.2. Turned right at junction with road to Gimbat Sta. (i.e. El Sharana mine. (Road to Pine Creek).

815.5. Turned round.

816.2 = ~~35~~ 57 362.1
Stenocatantops vitripennis, Micreola sp. 20, morabine sp. P17 (2), Urnisa sp. 1, Rectitropis sp., Austracris basalis, [illegible]
819.0. = ~~35~~ 364.9

Sumbilvia sp. 1, Genus nov. 15 spp. 2, 7, morabine
822.0 = ~~35~~ 57 367.7 Gen. nov. 63 on broad-
Genus nov. 62 sp. 1
p sp. 123 Gardenia sp., prob. G. megasperma F. Mull.
leafed shrub ~~(regrowth of tree?)~~ 1ft high.
Plectrachne sp. nov.
Goniaea vocans,
Spectriforma on Triodia Xanterriaria ruficornis Genus nov. 70 sp. 1, Gen. nov. 105 sp. Urnisiella rubropunctata (?), Genus nov. 99 sp. 2

830.2. Turn off to Goodparla H.S. (12 m. to L.

844.2 S. Alligator crossing.

855.8. Barramundi Ck crossing

57 Morabines spp. P94. P158(?), Caloptilla australis

16866.1 = ~~56~~ 476.8 Large morabine on

Sclerandrium grandiflorum S.T. Blake

Coarse tussocky grass (spec.).

Austracris basalis, morabine sp. P200(?),

904.8. Nourlangie Camp. = 57 448.1

Hypoestes floribunda present. Xypechtia sp. 1,

21/5. Xanterriaria mediocris, Paratettix histricus, P. femoralis, Stenocatantops angustifrons, S. rubripennis, Rectitropis sp., Gesonula mundata

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906.0. Depart Nourlangie Camp.

910.1. Road off to left to Woolwanga billabong.

916.6. Turned R into Oenpelli road.

919.2 Lateritic outcrop with some morabine spp. P158, P94, Xanterriaria mediocris boulders to 2ft. Eucs to 30ft + ironwood to same, Terminalia smaller, Livistona to 15ft. Mixed grasses, including some Themeda to 3ft + Imperata to 2ft + some fine grass to 1ft. Gastr., A. basalis, Pycno seriatus.

922.5. Road off to R to motel.

923.4. Flat with grey soil. E. papuana ~~Locusta migratoria~~ + other eucs to 50ft, occ. Melaleuca + Pandanus to 15ft. Dense grass to 4-5 ft, comprising Themeda + a coarser species.

924.0 southernmost crossing of Jim Jim Ck.

928.5. Turned left on Pine Ck road,

935.1 = ~~55~~ 57 476.8.

Loxilobus sp. 2, Paratettix femoralis, P.
963.5. Woolwonga ranger's camp. vishnu

22/5. Xypechtia sp. 1, Goniaea vocans

963.5. Depart camp.

965.0. Flat with pale grey sandy loam
morabine sp. P158, Xypechtia sp. 1, Echinus
with fine round lateritic gravel.
nov. 70 sp. 1 & Pandanus
Eucs to 40ft. Livistona to 20ft, occ.
Terminalia & Acacia sp. to 15ft,
occ. Erythrophleum to 40ft, Melaleuca
spp. regrowth. Mixed grasses &
sedges dense to 1ft, occ. patches bare
ground & leaf litter. Patches Verticordia

967.3 Turned left.

973.5. Oenpelli road. Turned right.

974.0. Turned left.

981.6. Noranda base camp. Hill
Xypechtia sp. 1, morabine sp. P152, Macrotona sp. 21,
of c. 100ft with some pale grey rocks
Xanterriaria mediocris, Adlappa erythroptera,
exposed & much large stone on slopes.
Goniaea vocans, Zebratula flavonigra

Pale brown sand. Eucs (incl. mustard-coloured flaky bark one) to 60ft., occ. Terminalia & other small trees to 20ft, occ. Livistona to 8ft, clumps of Calytrix to 8ft, Acacia sp. to 8ft, various shrubs to 2ft, a few patches Triodia sp.
Triodia plectrachnoides N. T. Burbidge
(spec.) to 4ft, a short (dead) annual reddish grass to 9in, occ. tall grass tussocks to 6ft. Return.

989.2. Oenpelli road. Turned right.

989.7. Nourlangie camp road off to L.

993.8. Turned off to R. on old road to Mt. Cahill.

994.7. Mt. Cahill & adjacent flat.
Stenocatantops kingi, Peakesia straminea,
Hill with quartzite outcroppings;
Zyppechtia sp. 1, Genus nov. 70 sp. 1, Cuppilladia
slopes with gravel. Pale soil. Eucs
flavocarinata (?), Xanthorriana medioceps
to 50ft, Erythrophleum to 30ft. Acacia sp. to 25ft, much regrowth of Erythrophl.
Stemodia coerulea Benth.
Various grasses 1–5ft, scattered shrubs.
S. angustifrons, A. basalis. Scattered Livistona & Pandanus at lower levels.

996.0. Region Oenpelli road. Turn R.

999.1. First crossing Nourlangie Ck.

999.6. Third crossing.

999.8. Turned R.

17000.2 Turned L.

17004.4. Turned R.

~~= 57610.8~~ = 57610.2

007.1. Camp against scarp (= 007.5)
Xanterriaria nudiscris, morabine spp. P199, P200,
Collected in adjacent narrow valley
P158, Genus nov. 98 sp. 1, Genus nov. 105 sp. 1 (?)(j.), Goniaea
between massive sandstone of the
vocans, Genus nov. 95 sp. 15, Genus nov. 77 sp. 1,
scarp of the Mt. Brockman massif
Aretza sp. 1, Xypechtia sp. 1, Aretza sp. 4, Stropis
& on the higher parts to a subordinate
nigrovitellina, Paratettix femoralis, P. histricus,
summit some 50ft short of the
Lorcilobus sp. 2, Catephoroops viridis, Coryphistes
highest visible point. The valleys
~~[illegible]~~ sp. 4, Ursolula mundata, Stenocatantops
floor filled with whitish sand &
the slopes nitripennis; Aiolopus thalassinus
bear eucs & Acacia spp. & other
small trees & shrubs, including a sticky
Indigofera colutea (Burm. f.) Merr.
legume (spec) to 3ft., which harboured
large numbers of Morabe sp. Triodia
associated with rocks & bearing a few
Genus nov. 77, a Genus nov. 95 sp., + nymphs of another
macrotonoid. Gastr. A. basalis.

Pycnostictus seriatus, Genus nov. 61 sp. 2,
Genus nov. 106 sp. 1, Heteropternis obscurella
Attractomorpha similis, Stenocatantops vitripennis,
23/5 Genus nov. 70 sp. 1, Gastrimargus musicus,
Rectitropis sp., Aretza sp. 1, Genus nov. 95 sp. 15, Paratettix
17007.5. Collected around camp Goniaeoidea sp. 3,
femoralis, Froggattina australis, Aretza sp. 4,
Departed on same track. morabine sp. P158

17010.1. Turned R. Gentle slope with
Macrocola sp. 15, morabine sp. P200 (♂)(♀)
brown soil completely covered with
quartz + purple laterite gravel (see
57649.0
Coll. no. 178). E. dichromophloia + a "box"
Plectrachne sp. aff. P. pungens (R. Br.) C. E. Hubb.
to 40ft. Triodia sp. in dense small
tussocks. Extensive patches Calytrix
to 7ft. shrublet to 18in.

17011.4 Start of airstrip Zebratula flavonigra P148,
Xanterriaria mediocris, morabine spp. P200 (♂)(♀)
P199, Macrocola sp. 21, Bermius curvicercus, Aretza sp. 1,
015.1 Petasida camp A. sp. 4, Desertaria sp. 10 (♀)
= 57699.9 (trip 178)
017.7. Koongarra. Took road to west.

020.0. Back in Koongarra.
= 178 : 57699.9.
022.7 Petasida camp. = 015.1. Data as
morabine sp. P158, Paratettix femoralis, morabine
for previous trip. One Petasida nymph
spp. P199, P148b, Ylckomima arnhemica
in about 2nd instar was seen on
Pityrodia jamesii. It was not
conspicuous, + no serious effort was
made to locate more. The shield-
bearing tettigoniid was found at

~~[illegible] sp. nov.~~ is the egg-laying plant that [illegible]
[illegible]
identified [recently by [illegible] as Pityrodia sp.]
[illegible]

Pityrodia puberula Munir

[illegible]

[illegible]

[illegible] fully [illegible]

[illegible] egg) [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] to W. of [illegible].

[illegible]

ca. [illegible] m [illegible].

[illegible]

2/15

[illegible]

[illegible]

Grevillea refracta R. Brown

[illegible]

[illegible]

951.6. [illegible]

[illegible]

972.? [illegible]

975.6. = 58/62.4. [illegible]

977.1. [illegible]

979.6. = [illegible] ? A. gall [illegible] .3

[illegible]

[illegible] 2.

[illegible] gall. [illegible]

997.1 = 57/72.3. Silenceata [illegible]

102.0. [illegible]
large shrubs to 15 ft. mixed [illegible]
thick. Then [illegible]
[illegible]

[illegible] 2/5 [illegible]

[illegible]

121.7 [illegible]

[illegible]

[illegible]

125.5 = [illegible]

[illegible]

[illegible]

130.5 [illegible]

[illegible]

(? Tristania lactiflua)

[illegible]

(dominant) Schizachyrium sp., Eriachne triseta Nees ex Steud. several of the [illegible]

[illegible]

Eriachne burkittii Jansen

[illegible]

131.1 [illegible]

131.7 [illegible]

[illegible]

[illegible]

Hibbertia sp. [illegible]

[illegible] H. [illegible]

[illegible]

[illegible]

= 58088.[illegible] [illegible]

[illegible]

1571.9 [illegible]

[illegible]

[illegible]

[illegible]

= 58091.7 [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

17 [illegible] 9. Back at camp. [illegible]

[illegible] back-&-forth swaying motion of [illegible] (both synchronously & alternately) [illegible] front legs. [illegible]

[illegible]

[illegible] O. [illegible]

[illegible]

[illegible] to [illegible]. [illegible]

[illegible] small [illegible] in [illegible] forest.

[illegible]

[illegible]

[illegible] a [illegible]

sp. 20, [illegible]

grasses 6 in to 30 in. Acacia sp.
genus nov. 77
([illegible] on this). [illegible]

172.0 [illegible].

172.1 [illegible]

[illegible] spp. to 10 ft. [illegible]

[illegible] small trees to 15 ft. Mixed [illegible]

[illegible] 12 in. [illegible].

[illegible]

Mantids mainly resting on a
[illegible] woody leafless [illegible]
plant.

198.1 [illegible] Alligator R. [illegible].

206.7 Turned round.

207.5. Camp. Collected from small [illegible]
[illegible]
[illegible] Camp [illegible]
[illegible]
[illegible]
[illegible] 105 [illegible]
[illegible] to 5 ft. Triodia sp. [illegible]
~~[illegible]~~ Hen-now 105 sp. 1 on Hibbertia sp. [illegible]
[illegible]
[illegible]
[illegible] with [illegible]
Haloragis acanthocarpa Brongn. [illegible]
[illegible] (spec) [illegible]
[illegible]

210.7. Turned round.

[illegible]
[illegible]
[illegible] ft. [illegible]
[illegible]
with Terminalia sp., Acacia sp., &
Grevillea sp. to 6 ft. [illegible]
[illegible] to 3 ft [illegible].
Acacia gonocarpa F. Muell.
to 6 ft (spec.); [illegible]

Camp. A very glaucous Acacia sp. with
small phyllodes, Triodia sp. (see Top

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

262.1 Turned left.

274.7 ANZ Exploration camp site on
Cooper Ck. Billabong.

275.5 Cooper Ck. crossing.

289.4 Tor Rock. Eucs to 50 ft. with
to 50ft
ironwood & Terminalia to 15ft.
morabine sp. P158, Goniaea vocans, Zanterriana
Livistona to 10ft. mixed grasses &
mediocris, Rectitropis sp., Xypechtia sp. 1, Genus
misc. shrubs 1-5ft., patches
nov. 98 sp. 1 sp.
Gardenia to 6in.: A. kasalis, Steno-cat
angust. Return.

302.1 Back at ANZ camp.

1/6.

302.1. Gentle slope margining Cooper
Catephorops viridis, Caloptilla australis,
Ck. Billabong. Eucs occ. to 50ft, Melaleuca
Heteropternis obscurella, Genus nov. 106 sp. 1,
spp. (3) to 20ft, Grevillea sp., Acacia
Parattettix nigrescens, P. femoralis
spp. to 15ft; Pandanus to 10ft; occ.
Verticordia to 3ft. Fine grasses 1-3ft
& some to 6ft further away; forbs
frequent & varied to 1ft. Pale pink
sand.

320.5 Turned left.

~~13567.3~~
~~568.5 crossing ck.~~
~~568.6 = 57920.5.~~
~~569.9 = 567.3~~
~~Returned towards Oenpelli~~

R. Roper 7553.6 Camp
54.3 coll. return.

330.3. Maningrida road to L.
Stenocatantops angustifrons, Birraduk S. vitripennis
333.8. Camp next to | creek. (= 333.9)
Atractomorpha similis |
change vehicles

13567.3 Camp

568.6. = 57920.5. Collected on
Genus nov. 12 sp. 2, Genus nov. 63 sp. 1, Aretza sp. 1,
pediment + base of scarp. Genus
A. sp. 5, Mecrola sp. 21, mostabine sp. P199, Genus
nov. 12 on sticky green Triodia, also
vocans, Genus nov. 77 sp. 1
Gen. nov. 77. Gen. nov. 63 mainly on
Dampiera ~~sp ff~~ conospermoides W.V. Fitzg.

569.9. Back at camp. Returned
towards Oenpelli
2nd change of vehicles

7553.6 Camp.

7554.3. Treeless plain with dark
Austracris basalis, gonabine sp. P158, Xypechtia
grey earthy self-mulching soil
sp. 1, Macrotona sp. 17
bearing dense mixed grasses &
sedges 2-3ft; leading to slightly
raised area with dense lateritic
gravel, Melaleuca sp., Hakea sp.,
Calytrix sp. & various other small
trees. mixed grasses 6in to 3ft

rather sparse. Saw on plain: Acrida
Locusta.

change back to own vehicle.

3/6.

17333.8. Flat. Pale brown fine sandy
Stenocatantops angustifrons, S. vitripennis,
loam bordering Birraduk Ck. Trees to
morabine sp. P200, Caledia captiva, Atractomorpha
60ft, ironwood to 50ft, much regrowth
similis, Rectitropis sp., Pardillana limbata,
of both. Acacia sp. to 10ft. Pandanus
Xanterriaria mediocris, Goniaeoidea sp. 3.
to 15ft occ. Mixed grasses 9in to 6ft.
Genus nov. 98 sp. 1, Genus nov. 105 sp. 1 (?)(j.),
Brachypterous genus nymphs on same
Calephorops viridis, Paratettix femoralis,
herb of which specimen taken at
P. nigrescens
17208.5.

3441.7. Nabarlek.

3443.5. Camp at dam. Very rugged
Genus nov. 105 sp. 1 (?)(j.). Arctya sp. 1, A. sp. 5,
jumble of sandstone hills across
morabine sp. P200 (?)(j.), Goniaea australasiae
small creek. A microphyllous
myrtaceous shrub to 8ft, with occ.
Verticordia & Calytrix to 5ft, Pityrodia
jamesii to 6ft in occ. patches, Triodia
spp. (inc. the sticky one), patches of
the Richea-like plant to 2in. A

basalis. Return.

345.3 Labarek.

347.4. Eucs to 50ft with Terminalia
morabine spp. P148a, P200
& ironwood to 30ft, Acacia sp. to 8ft. Mixed grass rather thin. to 5ft. Pale grey-brown sandy loam; flat. Scattered small green bushes to 1ft, resembling Cassia. Return to Camp.